



NOTES:

1. Electrical Specifications:

- Meets USB 2.0 Specifications
- Low level Contact Resistance:
 - 50 mOhm max. for mini USB
 - 30 mOhm max. for USB
- Insulation Resistance 100 MOhm min.
- Current Rating: 1.0 A max. @ 25°C
- DWV: 100 VAC/60s at sea level
- Connector Operating Temperature: -40°C to +80°C

2. Material and Finish:

- mini USB Coupling Ring: PBT (Black); UL94 V-0
- mini USB Overmold: PVC (Black); UL94 V-0
- mini USB Insulator: PBT, UL 94V-0, Black
- Gasket: Silicone, Transparent
- USB Insulator: PBT, UL 94V-0, Color: White
- USB Overmold: PVC, UL94 V-0, Color: Black
- mini USB & USB Metal Shell: Steel, Nickel plated
- mini USB & USB Contact: Copper Alloy, 30 u" min. Au over 40 u" min. Ni Plated

3. Shielded USB Cable Configuration

AWM 2725 AWG28/1p + AWG28/2c, OD: 3.5 mm Color: black

4. IP67 rated when fully mated with appropriate mating connector

Pin-Assignments

mini-B USB Plug	USB Cable	USB Type A Plug
Pin1 -----	Red -----	Pin1
Pin2 -----	White -----	Pin2
Pin3 -----	Green -----	Pin3
Pin4 -----	Not Connected	
Pin5 -----	Black -----	Pin4
Shell -----	Braid + Drain -----	Shell

ⓑ	Cable Length L	Part Number
Ⓒ	2 m +/-0.1m	17-250031
	3 m +/-0.1m	17-250041
	5 m +/-0.1m	17-250051

RoHS Compliant

THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY MANNER AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC CORPORATION. DO NOT ALTER CAD DRAWING BY HAND	Customer:			Tolerance Unless otherwise specified			Scale: 2	Dim. in m
	Name	Title	Approval Date	0 PLC ±0.30	1 PLC ±0.20		Material: See Notes Title: USB Patch Cords IP67 mini-B USB Plug to Standard USB Type A Plug	
				2 PLC ±0.10	3 PLC ±0.05			
				ANGLES ±1°	Norm			
	c	1 x c	Mar/27/2015	Vincent Ke	D-old		Drawing No.: 17K1A140	DIN A3
b	1 x b	Feb/09/2015	Vincent Ke			Part No.: SEE P/N ABOVE	Sheet 1/1	
a	original							
Rev.	Changes	Date	Name					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[CONEC:](#)

[17-250031](#) [17-250041](#) [17-250051](#)